

Abstract of the Disclosure

The high-pressure discharge lamp of the present invention includes: a discharge chamber that is formed in a silica glass tube, a pair of electrodes that are
5 arranged with ends confronting each other in the discharge chamber; metal foil parts that are superposed and bonded to the other ends of the electrodes, and sealing sections for hermetically sealing the discharge chamber and which are parts for embedding the other ends of the electrodes
10 and the metal foil parts in the glass at the two ends of the silica glass tube. The electrodes and the metal foil parts are embedded in the glass in a state in which metal coils are wrapped around the vicinities of the junctions of the electrodes and metal foil parts. The ends of the
15 metal foil parts on the electrode side are further formed as tapered portions. In addition, the tips of the tapered portions on the electrode side are positioned, with respect to their direction of width, within the width in the radial direction of the electrodes.